

October 9, 1990

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE PNO-II-90-60

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information is as initially received without verification or evaluation, and is basically all that is known by the Region II staff on this date.

FACILITY: Tennessee Valley Authority	Licensee Emergency Classification
Sequoyah Unit 1	<u> X </u> Notification of Unusual Event
Docket No. 50-327	<u> </u> Alert
Soddy Daisy, Tennessee	<u> </u> General Emergency
	<u> </u> Not Applicable

SUBJECT: FORCED SHUTDOWN DUE TO STEAM SYSTEM CHECK VALVE FAILURE

On October 8, 1990, at 7:21 a.m., the licensee declared a Notice of Unusual Event (NOUE) due to commencing a forced shutdown of Unit 1 as required by Technical Specifications. The shutdown was required because 1 of 4 Main Steam System check valves (1-MS-1-624) was found to have its disk separated from the valve. These check valves prevent reverse flow of steam into the steam generators in the event of a steamline break upstream of the MSIV's. The licensee exited the NOUE on October 8, 1990 at 3:34 p.m. after the reactor was placed in hot shutdown.

The licensee has inspected three of the four Unit 1 check valves and found that the bolt which attached the disk to the hinge pin was broken. The valve disks on two of the valves were missing and assumed to be somewhere in the steam lines. The disk for the other valve was found in the valve body. The licensee intends to inspect the other Unit 1 check valve. The Unit 2 check valves were already disassembled for the current Unit 2 refueling outage which is scheduled for completion in November 1990. The Unit 2 valves were inspected and do not have this problem.

NRC staff continues to review the actions of TVA on this issue.

Media attention is expected.

The state of Tennessee has been informed.

This information is current as of 11:00 a.m., on October 9, 1990.

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